

**REMARKS/ARGUMENTS**

**1. Objection of claims 1 and 9:**

**Response:**

Claims 1 and 9 have been amended to overcome this objection. Specifically, the  
5 limitation “each layout in the connection layer corresponding to each sub-circuit cell  
creates a connection between the sub-circuit blocks within each corresponding sub-circuit  
cell by selectively connecting the sub-circuit blocks within each corresponding sub-circuit  
cell” has been added to claims 1 and 9. This limitation finds support in paragraphs  
[0022]-[0024], and in Fig. 3 for instance, and no new matter is introduced. Claims 1 and 9  
10 are now no longer unclear, and withdrawal of claims 1 and 9 is politely requested.

**2. Rejection of claims 1-3, 5, 7-10, 12, 14, 15 under 35 U.S.C. 102 (e) as being  
anticipated by Schadt et al. (US 6,870,395):**

**Response:**

15 Claims 1 and 9:

Claims 1 and 9 have been amended to overcome this rejection. Specifically, the  
limitation “each layout in the connection layer corresponding to each sub-circuit cell  
creates a connection selectively connected to between the sub-circuit blocks within each  
corresponding sub-circuit cell by selectively connecting the sub-circuit blocks within  
20 each corresponding sub-circuit cell” has been added to claims 1 and 9. This limitation  
finds support in paragraphs [0022]-[0024], and in Fig. 3 for instance, and no new matter  
is introduced. According to the method recited in claims 1 and 9 of the instant application,  
the connection layer is used to create a connection within each corresponding sub-circuit  
cell by selectively connecting the sub-circuit blocks within each corresponding  
25 sub-circuit cell. Therefore, Therefore, the connection selectively connects the sub-circuit  
blocks within each sub-circuit cell (the connection between the sub-circuit blocks is made  
with the same sub-circuit cell), so that the sub-circuit cells in different positions

implement different circuit functions.

Different from the method of claims 1 and 9, Schadt uses two types of connectivity structure in order to integrated SLBs (interpreted as the sub-circuit blocks of the present invention) with the rest of the chip (col. 4, lines 42-56, Fig. 9). Specifically, Schadt uses the connectivity structure to create a connection between the SLBs and other portion of the chip/PLD e.g. I/O buffers, programmable logic core or memory blocks, but he fails to teach use the connectivity structure to create a connection between the SLBs within the same sub-circuit cell. Therefore, Schadt's method is patentably distinct from that of the present application, and reconsideration of claims 1 and 9 is politely requested.

Claims 2-3, 5, 7, 8, 10, 12, 14, 15:

Claims 2-3, 5, 7, 8 are dependent on claim 1, and therefore should be allowed if claim 1 is found allowable. Reconsideration of claims 2-3, 5, 7, 8 is politely requested.

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Claims 10, 12, 14, 15 are dependent on claim 9, and therefore should be allowed if claim 9 is found allowable. Reconsideration of claims 10, 12, 14, 15 is politely requested.

**3. Rejection of claims 6 and 13 under 35 U.S.C. 103 (a) as being unpatentable over  
20 Schadt et al. (US 6,870,395) in view of Maeda (US 6,052,014):**

**Response:**

Claim 6:

Claim 6 is dependent on claim 1, and therefore should be allowed if claim 1 is found allowable. Reconsideration of claim 6 is politely requested.

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Claim 13:

Claim 13 is dependent on claim 9, and therefore should be allowed if claim 9 is found allowable. Reconsideration of claim 9 is politely requested.

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Amtd. dated September 13, 2007  
Reply to Office action of June 22, 2007

Applicant respectfully requests that a timely Notice of Allowance be issued in this case.

5 Sincerely yours,



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Note: Please leave a message in my voice mail if you need to talk to me. (The time in D.C.  
15 is 12 hours behind the Taiwan time, i.e. 9 AM in D.C. = 9 PM in Taiwan.)